

IDENTIFICATION

Species: *Populus trichocarpa*

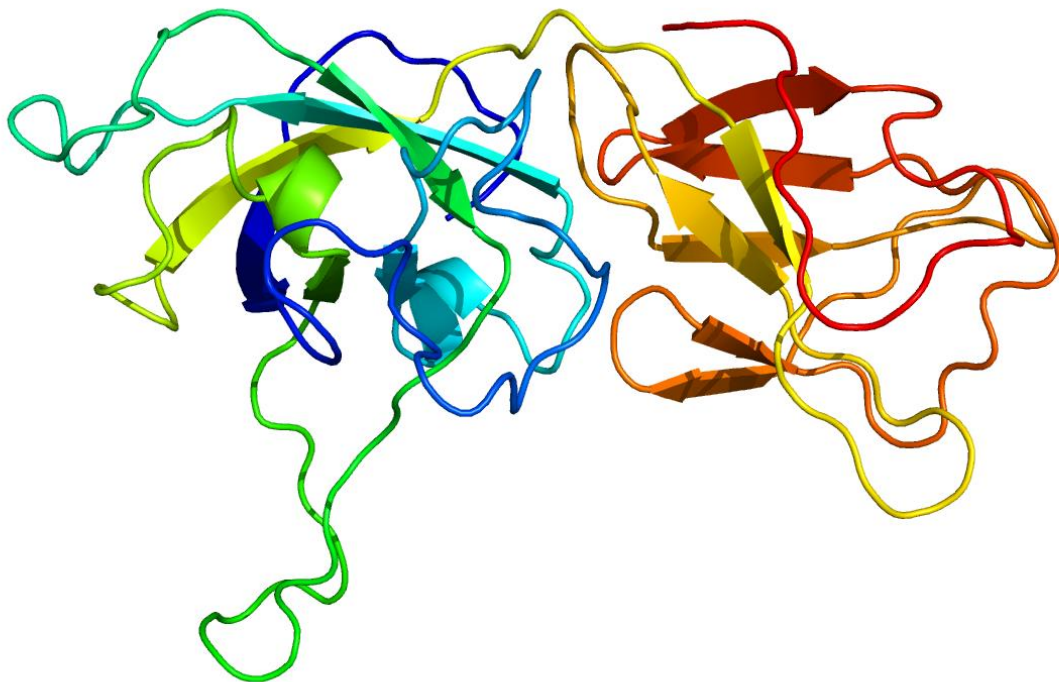
Locus: Potri.008G057100

Gene Model: Potri.008G057100.1.p

Description: PtEXPA-14

Family: Alpha Expansin

3D structure:



GENOME DATABASES

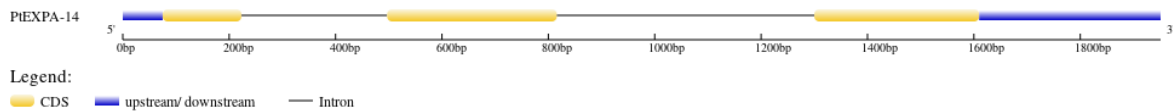
Phytozome: https://phytozome-next.jgi.doe.gov/info/Ptrichocarpa_v4_1

KEGG: <https://www.genome.jp/entry/gn:T01077>

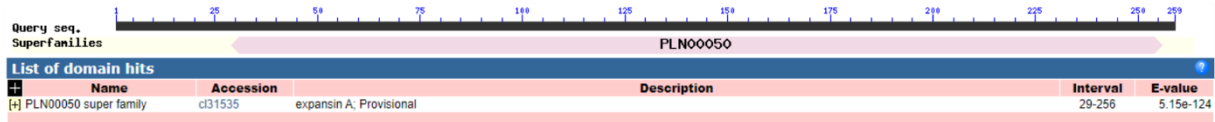
EXTERNAL RESOURCES

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GENE STRUCTURE



DOMAIN ARCHITECTURE



SEQUENCES

Peptide

>PtEXPA-14

MTDRATISFISLVLLLSLVEARIPGVYTGAAWQSAHATFYGGNDASGTMGGACGYG
NLYSQGYGVNTAALSTALFNGLSCGACFEIKCANEPQWCHSGSPSIFITATNFCPPN
YALPSDNGGWCNPPRPHFDLAMPMFLKIAEYRAGIVPVS YRRVPCRKPGGIRFTINGH
RYFNLVLITNVAGAGDIVKVS VKGSRTGWMSMSRNWQNWQSN SVLVGQSL SFRV
TGSDRRTSTSWNVVPSNWQFGQTFAGKNFRV*

CDS (coding sequence)

>PtEXPA-14

ATGACTGACAGGGCTACCATTTCTTTTATATCTTTGGTGCTGCTTTTGAGTCTTGTT
GAGGCAAGAATTCCCGGTGTTTACACTGGTGCAGCCTGGCAGAGCGCCCATGCTA
CTTTTTATGGTGGCAATGATGCCTCAGGGACTATGGGCGGTGCTTGCGGGTACGG
TAACTTGTACAGCCAAGGCTATGGTGTGAATACTGCAGCACTCAGCACAGCCCTG
TTCAACAATGGCCTTAGTTGCGGTGCTTGT TTTGAAATAAAGTGTGCTAATGAAC
CACAATGGTGCCACTCTGGAAGCCCATCAATTTTTATCACAGCCACAACTTTTG
CCCTCCTAATTATGCTTTGCCTAGTGACAATGGTGGTTGGTGCAATCCTCCCCGCC
CTCACTTCGATCTTGCTATGCCTATGTTCCCTCAAGATCGCCGAGTACCGTGCTGGC
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TCACAATAAACGGACACCGTTACTTCAACTTGGTTTTGATCACCAACGTTGCAGG
CGCAGGAGATATAGTGAAGGTGAGCGTGAAGGGATCCAGGACTGGGTGGATGAG
CATGAGCCGTA ACTGGGGTCAA AACTGGCAGTCAA AACTCAGTTTTGGTTGGTCAG
TCATTGTCTTTCAGGGTCACGGGCAGTGATAGACGCACCTCTACTTCTTGGAATGT
TGTTCCATCAAATTGGCAATTTGGGCAA AACTTTCGCCGGAAAGAATTCAGGGTT
TAA

Nucleotide

>PtEXPA-14

ACACACTCCCCACTTTCCCAAATCCCCATCTCTAGCAGCAGCCCCTTCGTAGTTTA
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